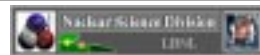


Grand Challenge and STAR Physics Working Groups

D. Olson

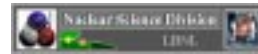
28 July 1998

STAR Collaboration Meeting

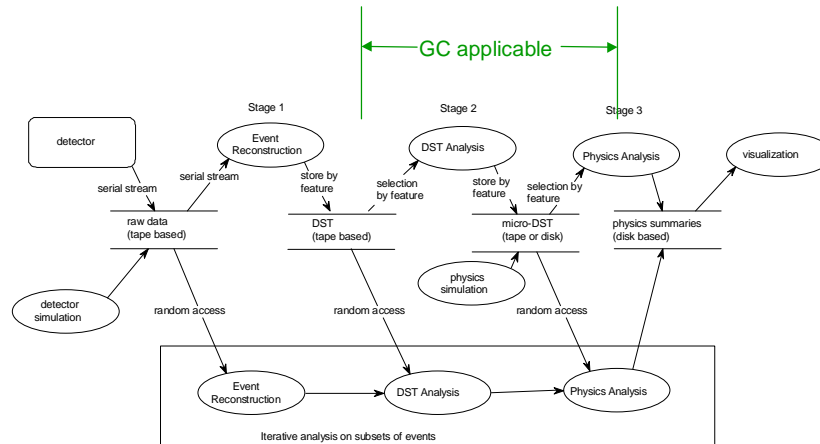


Outline

- Setting the stage
- An analysis scenario in CAS
- The GC interface now (Dave Malon)
- A likely interface in STAF/ROOT (Jeff, Craig)
- What you need to do
- What we need to do



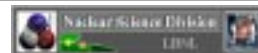
Example data flow chain at RCF



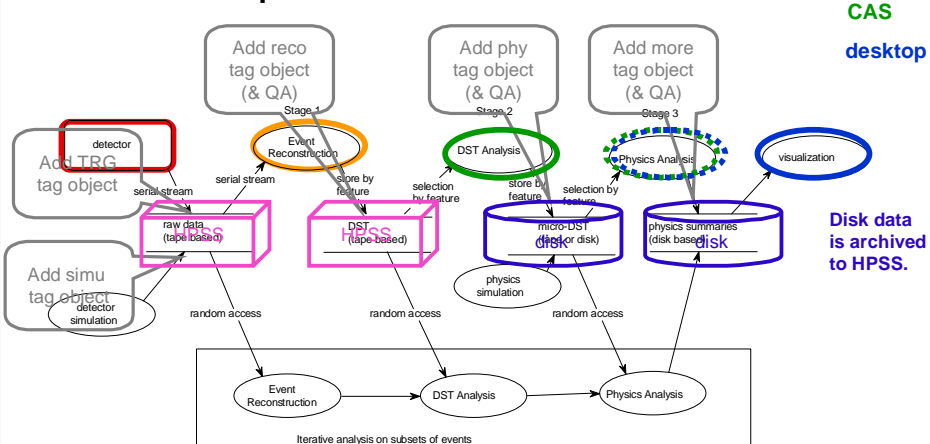
7/30/98

GC: D. Olson, STAR Mtg

3



Example data flow chain at RCF

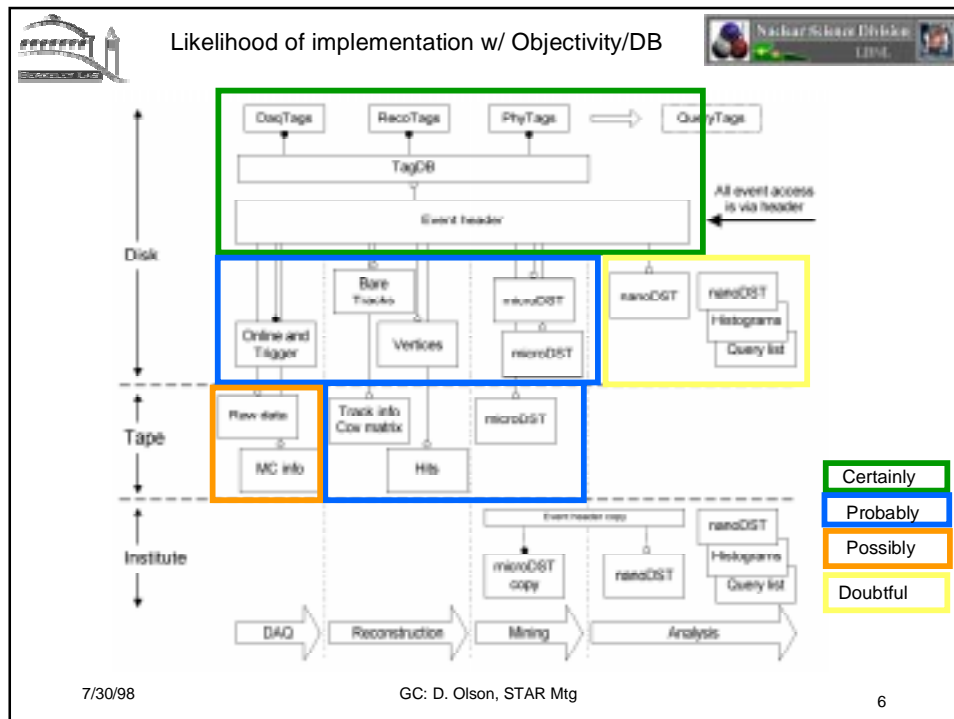
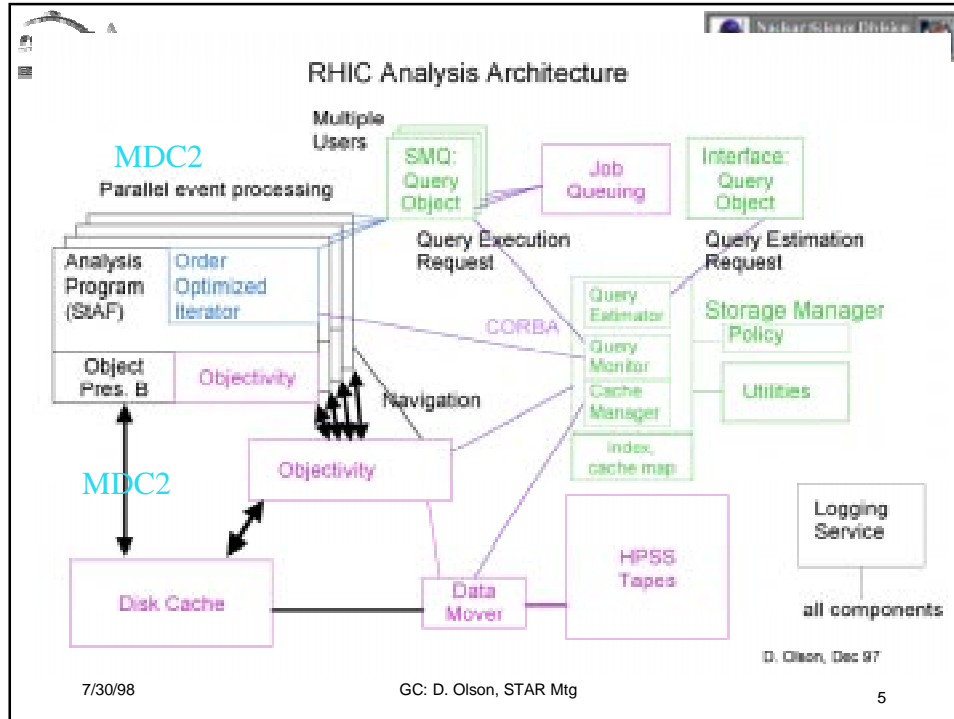


Add tag (& QA) objects at each stage of processing.

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4



[illegible]

Estimates (build collection)

Initialize

Execute
(analysis)

index

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7

[illegible]

Range query, rough cut at event collection (fast, repeat often).

Filter collection based on tagDB analysis (on disk).

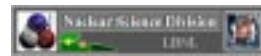
Submit collection as query for execution.

Perform event analysis while iterating over collection, as files are staged to disk. Results written to disk, copied to hpss later.

GC
index

GC: D. Olson, STAR Mtg

8

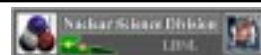


Insert Dave Malon here

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GC: D. Olson, STAR Mtg

9

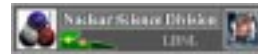


Insert Jeff, Craig here

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10



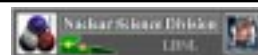
What the PWGs need to do

- Think (always)
- Define your tags (single row table now)
- Develop code to do analysis on DST data
- Work with us to try out your code with GC machine & Objectivity
- Get your code into MDC1

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11



What we (GC, STAR infrastructure) need to do

- Put GC client into STAF/ROOT (~easy)
- Put Objectivity into STAF/ROOT (~easy)
- Put Objectivity<->tables translator into STAF/ROOT (some work)
- Build up sizable Objectivity DST database, with tags, event headers, ... (some work)

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12



Interfacing to analysis code

